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CANCELLLED  
DEC 28 2006  
PATENT & TRADEMARK OFFICE

AMENDMENT TRANSMITTAL LETTER

Docket No.  
2815-0236P

Application No.  
10/661,629-Conf. #9386

Filing Date  
September 15, 2003

Examiner  
K.A. Ballard

Art Unit  
1649

Applicant(s): Thomas J. JENTSCH

Invention: Novel potassium channels and genes encoding these potassium channels

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Transmitted herewith is an amendment in the above-identified application.  
The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	1	- 20 =	0	x 50.00	0.00
Independent Claims	1	- 3 =	0	x 200.00	0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify):					
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					0.00

- ☒ Large Entity ☐ Small Entity
- ☒ No additional fee is required for this amendment.
- ☐ Please charge Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.  
A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of \$ \_\_\_\_\_ is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 02-2448  
as described below. A duplicate copy of this sheet is enclosed.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.

maa  
Gerald M. Murphy, Jr.  
Attorney Reg. No.: 28,977

Dated: December 28, 2006

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Docket No.: 2815-0236P  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Thomas J. JENTSCH

Application No.: 10/661,629

Confirmation No.: 9386

Filed: September 15, 2003

Art Unit: 1649

For: Potassium Channel KCNQ5 and Sequences  
Encoding the Same (as amended)

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Examiner: K. A. Ballard

**AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INTRODUCTORY COMMENTS**

In response to the Office Action dated September 28, 2006, please amend the above-identified U.S. patent application as follows.

This reply includes amendments to the title, amendments to the specification, amendments to the claims and remarks.

Application No. 10/661,629  
Amendment dated December 28, 2006  
Reply to Office Action of September 28, 2006

Docket No.: 2815-0236P

**IN THE TITLE**

Please amend the title of the present application to recite the following:

~~Novel Potassium Channels and Genes Encoding These Potassium Channels~~ Potassium  
Channel KCNQ5 and Sequences Encoding the Same